(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 13 May 2004 (13.05.2004)

PCT

(10) International Publication Number WO 2004/039699 A1

(51) International Patent Classification7: G01G 19/08

B65F 3/08,

(74) Agent: A & P ARNASON; Efstaleiti 5, IS-103 Reykjavik

(21) International Application Number:

PCT/IS2003/000033

(22) International Filing Date: 30 October 2003 (30.10.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 6604

30 October 2002 (30.10.2002)

- (71) Applicant (for all designated States except US): ECO-PROCESS HF. [IS/IS]; Skeifan 9, IS-108 Reykjavik (IS).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): TRYGGVASON, Thorvaldur [FR/FR]; 19, route de la Cassardiere, F-44115 Basse-Goulaine (FR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,

GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,

KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,

RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,

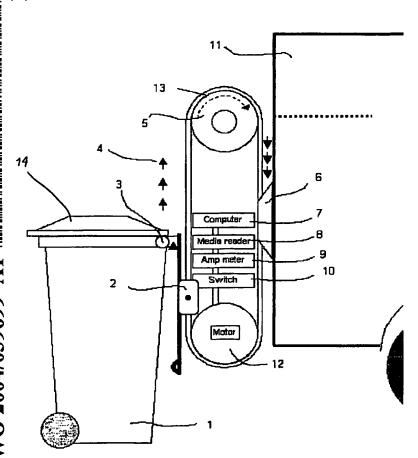
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,

TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW. (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: A REFUSE COLLECTING APPARATUS FOR A REFUSE COLLECTING VEHICLE



(57) Abstract: This invention relates to a refuse collecting apparatus arranged on a refuse collection vehicle for emptying waste bins into a waste container arranged on the refuse collection vehicle. A frame member is arranged on a said refuse collection vehicle, a lifting mechanism with a gripping and support mechanism for said waste bins is secured to the frame member and one characteristic property related to the lifting mechanism is monitored and comparated to information relating to the waste bins which is provided through reading bar code or computer chip prior to lifting and emptying it into said waste Such characteristic property container. being for example the applied current to an electrical motor drive and the information being for example the maximum weight allowed for said waste bin. By arranging the waste bin on the lifting mechanism the mecanism is activated or inactivated as a result thereof.